

**To:** Kavlock, Robert[Kavlock.Robert@epa.gov]; Gwinn, Maureen[gwinn.maureen@epa.gov]; Osaka, Anna[Osaka.Anna@epa.gov]  
**From:** vanDrunick, Suzanne  
**Sent:** Mon 6/13/2016 12:57:04 PM  
**Subject:** Fw: Early heads up on perchlorate report: Cannot open files  
[Perchlorate report summary.docx](#)  
[ATT00001.htm](#)

I followed up with OW on this one. Apparently it fell through the cracks and the attachments cannot be opened. Please ask NCEA to resend.

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**From:** Kavlock, Robert  
**Sent:** Tuesday, May 24, 2016 8:04 AM  
**To:** vanDrunick, Suzanne  
**Cc:** Osaka, Anna; Gwinn, Maureen  
**Subject:** Fwd: Early heads up on perchlorate report

Another one to make sure OW is aware of. This one has a bit of history as you will see below.

Bob

Begin forwarded message:

**From:** "D'Amico, Louis" <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>  
**To:** "Kavlock, Robert" <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>  
**Cc:** "Gwinn, Maureen" <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>, "Deener, Kathleen" <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>, "Ross, Mary" <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>, "Vandenberg, John" <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>, "Bussard, David" <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>  
**Subject:** Early heads up on perchlorate report

Hi Bob,

I apologize in advance, but we need to send you a report someone outside the normal advanced notification procedures. Attached to this message is a copy of the report, "*Biologically Based Dose Response Models for the Effect of Perchlorate*

*on Thyroid Hormones in the Infant, Breast Feeding Mother, Pregnant Mother, and Fetus: Model Development, Revision, and Preliminary Dose-Response Analysis."* A summary 2-pager is also attached. A peer-reviewed publication describing this work has been accepted, but not yet published. I've attached a copy of the proof for that manuscript as well.

This work supports OW's efforts to consider deriving a MCLG for perchlorate. This report is born out of collaborative work between EPA and FDA to develop BBDR models for perchlorate and iodide to determine the interactions between iodine nutrition and perchlorate exposure across sensitive life stages (including pregnant women, the fetus, and infants (breast and formula fed). This is all in response to 2013 SAB recommendations to develop a model that would look at the effects of perchlorate on thyroid hormone product. (Note: Lynn Flowers can go in to much gorier detail about the history and development of this effort if you need more information.)

The report is just now going through NCEA clearance. However, there is a time consideration where OW is looking to get the document posted by May 21<sup>st</sup>, as there has been significant pressure and threat of intent to sue by NRDC. Given the time constraints, we're hoping you'd be willing to look at the report concurrently with center review.

The report has gone through internal technical review within ORD, with review from two ORD staffers. An external QA of the code has been done, for which we still need to wrap up a report. OW is handling a contractor-led peer review specific to this report. They issued an FRN on March 1 opening a 30-day comment period for the public to nominate experts.

Let me know if you need any more information. Again, sorry for the short turn-around.

-Lou

Louis D'Amico, Ph.D.

Acting Communications Director

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